REMARKS

Applicants respectfully request entry of the foregoing amendments and reconsideration of the application in view of the amendments above and the remarks below. Applicants aver that no new matter has been added by way of the amendments above. Claims 1-6 have been canceled, and new claims 7-26 have been added. Claims 7, 20, and 26 are independent claims.

Rejection under 35 U.S.C. § 102 is moot

Claims 1-6 were rejected under 35 U.S.C. § 102(b) as being anticipated by an article entitled "Automatic Tracking of Human Motion in Indoor Scenes Across Multiple synchronized Video Streams," by Q. Cai et al. (hereinafter "*Cai*"), which was discussed in the Background section of the present application. Applicants respectfully submit that this rejection has been rendered moot by the foregoing amendments canceling claims 1-6. Additionally, Applicants respectfully submit that the newly added claims 7-26 are patentable over *Cai*.

Cai describes a framework for tracking moving humans in an indoor environment from sequences of images. There are three types of tracking modules disclosed by *Cai*. First, a single view tracking (SVT) module is described as being able to track a subject image through successive frames. Second, a multiple view transition tracking (MVTT) module is described as being able to track a subject of interest across views of multiple pre-calibrated, fixed cameras. Third, an automatic camera switch (ACS) module is also provided to predict and optionally select a camera. However, *Cai* does not appear to disclose or suggest the claim features of the newly added independent claims.

For example, *Cai* fails to disclose or suggest the combination of features recited in independent claim 7, which recites a processor-readable medium comprising code representing instructions to cause a processor to analyze information associated with a first path, analyze information associated with a second path, and determine if the object associated with the first path and the object associated with the second path are the same object. The information associated with each path includes a plurality of spatial values and uniquely associated, corresponding time values. Each spatial value indicates a position of an object associated with the path with which the spatial value is associated, at a time associated with the corresponding time value. If the object associated with the first path and the object associated with the second

path are the same object is determined at least partially based on the analysis of the information associated with the first path and the analysis of the information associated with the second path.
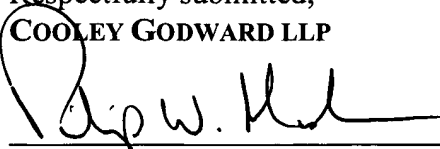
Additionally, *Cai* fails to disclose or suggest the combination of features recited in independent claim 20, which recites a processor-readable medium comprising code representing instructions to cause a processor to receive information associated with a plurality of paths; iteratively determine, for each path from the plurality of paths, whether that path can be linked to another path from the plurality of paths at least partially based on predetermined linking rules; and resolve conflicts associated with linking a path to another path based on predetermined conflict-resolution rules, if any conflicts exist. Each path from the plurality of paths represents movement of an object defined over time.

Moreover, *Cai* fails to disclose or suggest the combination of features recited in independent claim 26, which recites an apparatus that includes a first image capture device and a second image capture device, each configured to capture a plurality of images associated with a first physical area and a second physical area, respectively, over a time period, the second physical area being substantially different from the first physical area. The apparatus also includes a processor in communication with the first image capture device and the second image capture device. The processor is configured to extract a plurality of sets of spatial values and corresponding time values associated with the first and second physical areas, respectively, from the images associated with those respective areas. Each set of spatial values and corresponding time values associated is associated with a path of an object within the physical area with which that set of values is associated, and the processor is configured to analyze the each set of spatial values and corresponding time values associated with the each physical area. The processor is also configured to link the path of the object within the first physical area and the path of the object within the second area if the processor determines, at least partially based on the analysis of the set of spatial values and corresponding time values associated with each object, that the object within the first physical area and the object within the second physical area are the same object.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 50-1283. This paper is submitted in duplicate.

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Cooley Godward LLP
ATTN: Patent Group
One Freedom Square
Reston Town Center
11951 Freedom Drive
Reston, VA 20190-5656
Tel: (703) 456-8000
Fax: (703) 456-8100

Respectfully submitted,
COOLEY GODWARD LLP

By: Philip W. Marsh
Reg. No. 46,061

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